



Attorney Docket No.: A-67229-6/RFT/RMS/RMK

PATENT

HGB
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

) Examiner: T. BHATTI

DAHIYAT, et al.

) Group Art Unit: 1627

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Serial No.: 09/782,004

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) January 15, 2002
Signed: Mary McFarland

Mary McFarland

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, DC 20231

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Sir:

Prior to examination please amend the above-identified application as follows:

In the Claims:

Please add the following new claims:

—10. A method executed by a computer under the control of a program, said computer including a memory for storing said program said method comprising the steps of:

(A) receiving a protein backbone structure with variable residue positions;

(B) classifying each variable residue position as either a core, surface, or boundary residue;

(C) establishing a group of potential rotamers for each of said variable residue positions, wherein the group of potential rotamers for at least one of said variable residue positions has a rotamer selected from each of at least two different amino acid side chains; and,